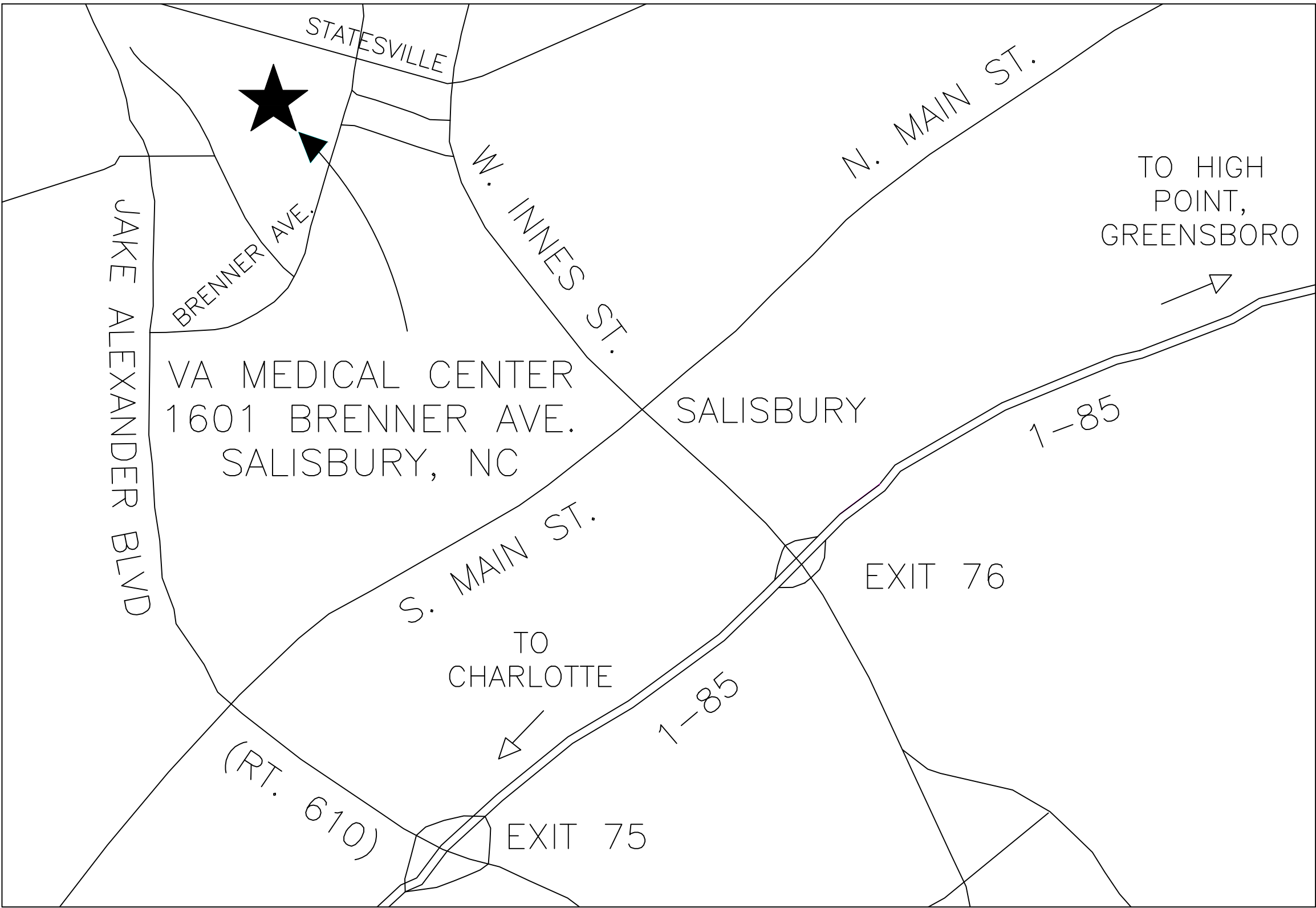
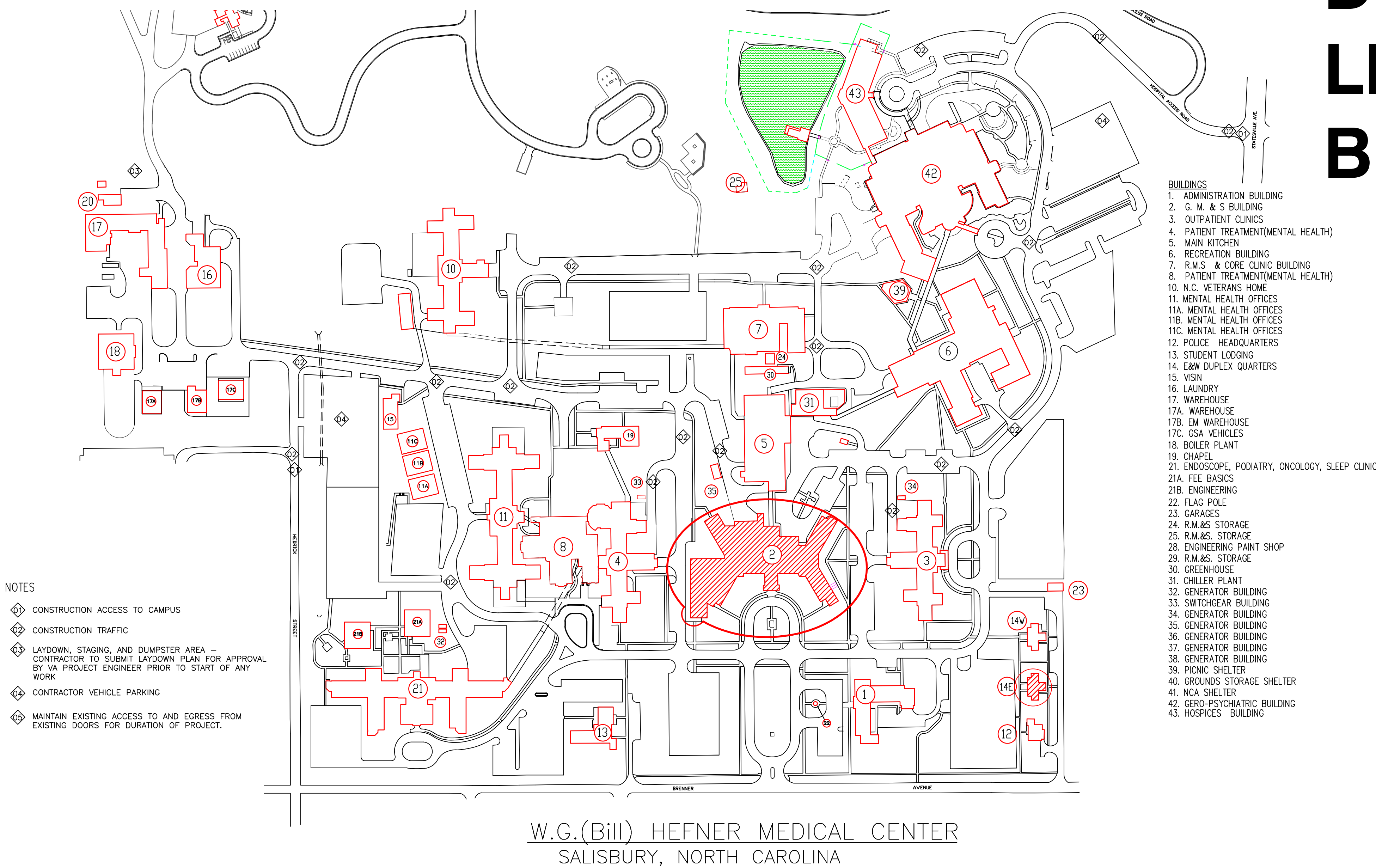


DEPARTMENT OF VETERANS AFFAIRS

LEGIONELLA MANAGEMENT PROGRAM

Buildings 2 and 14E



NOTE

THIS DRAWING IS NOT TO SCALE AND IN FOR REFERENCE ONLY THE CONTRACTOR WILL HAVE TO PHYSICALLY TRACE THE SYSTEM TO LOCATE VALVES AND JUNCTION POINTS. THE CONTRACTOR SHOULD SECURE THE FLOW OF WATER TO THE WINGS AND EVALUATE THE SUPPLIED PORTION OF THE BUILDING TO INSURE THAT OTHER UNINTENDED FIXTURES MAY BE CONNECTED AND IDENTIFIED BEFORE CUTTING OUT THE SUPPLY LINE. THIS DRAWING MAY NOT SHOW ALL THE PIPING AND BRANCHES OF THE SYSTEM THAT WILL NEED TO BE REMOVED. THE CONTRACTOR SHALL BE PREPARED TO REMOVE THIS PIPING AS PART OF THIS CONTRACT.

Statement of work

Contractor shall completely prepare site for building operations, including demolition and removal of existing structures, and furnish labor and materials and perform work to replace all valves in the hot water loop and domestic water in the crawl space and Ground floor of building 2. The contractor shall verify the hot water loop in building 2 and correct as needed. The contractor shall locate all mixing valves in building 2 and remove them and complete the loops at the top of each active riser. The contractor shall remove dead legs in the hot water loops in Building 2 and The contractor shall remove the drinking water loop system from building 2 The contractor shall remove drinking water fountains that are on the drinking water loop and return to the VA.

The contractor shall inspect the existing Hot water loops and provide report of the condition and what was done to complete the loops as required by drawings and specifications at the VA Medical Center in Salisbury NC as required by drawings and specifications.

Work hours shall be flexible. Due to the nature of this work and the disruptions caused by it most of the work will have to take place after normal Hospital operating hours (0700-1800). Working Hours will be from 1830-0630 weekdays and any hours necessary on weekends after approval.

The contractor shall replace faucets and install mixing thermostatic valves at every sink in building 2 that has hot water supplied to it per drawing.


The contractor shall install Thermostatic valves at showers or replace shower controls in building 2 depending on access to the supply piping by drawings.

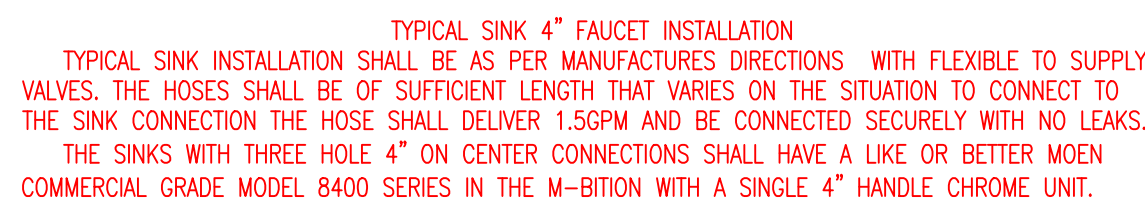
Any utility sink that the piping is inaccessible the contractor shall install check valves before the control valves of the faucet.

The contractor shall install piping and equipment to complete the hot water supply system in Building 14E. The contractor shall add a circulation pump to the loop as per drawings. All fixtures in Building 14 E shall have a mixing valve like from above installed in building 2.

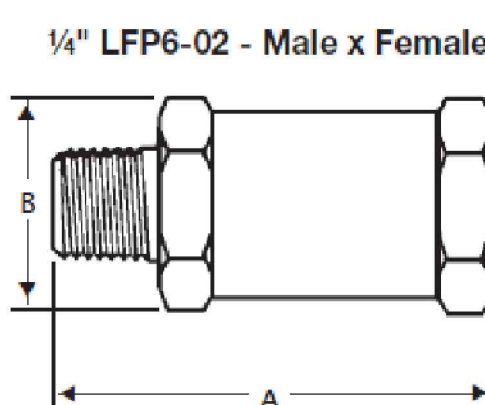
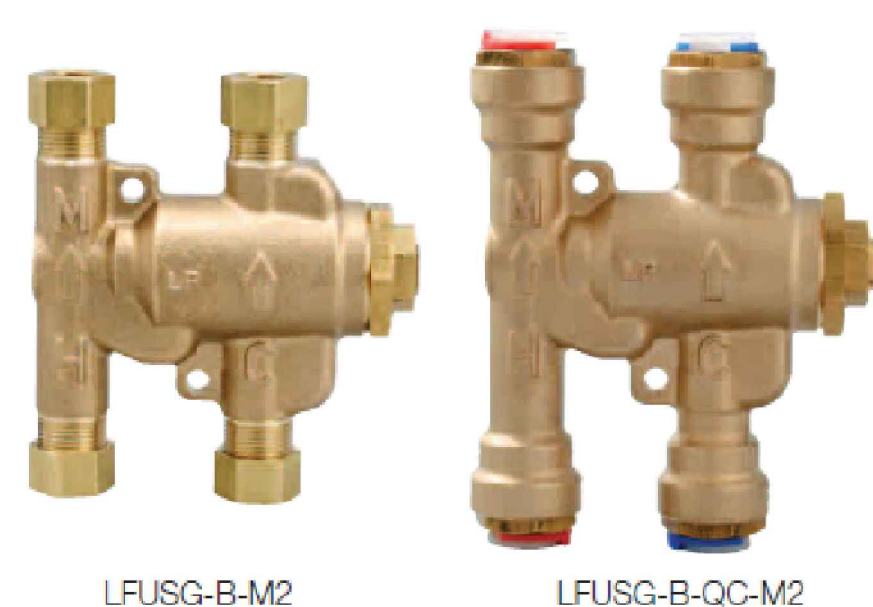
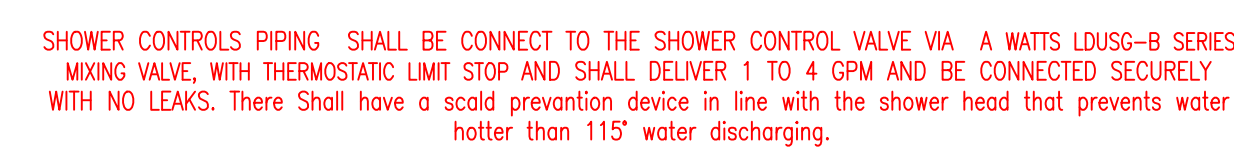
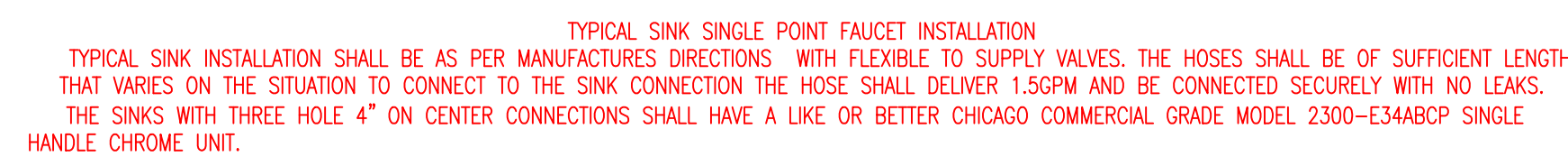
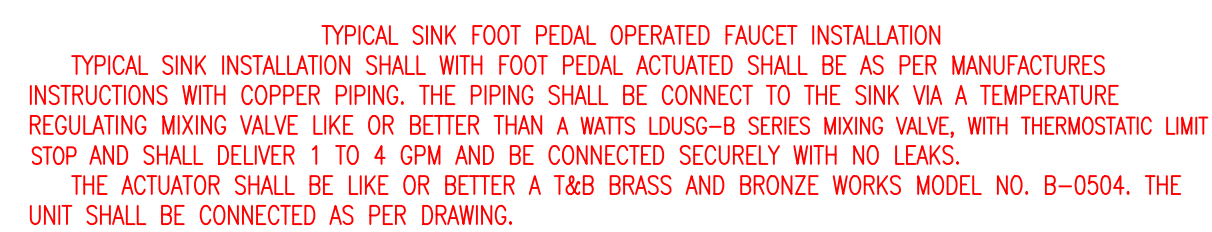
LIST OF DRAWINGS

G-000	COVER SHEET
D-100	GENERAL INSTRUCTIONS
P-100	BUILDING 2 GROUND FLOOR AND CRAWL SPACE
P-101	BUILDING 2 SOUTH WEST WING
P-102	BUILDING 2 SOUTH EAST WING
P-103	BUILDING 2 NORTH EAST WING CRAWL SPACE
P-104	BUILDING 2 NORTH WEST WING
P-105	BUILDING 2 FIFTH FLOOR HOT WATER LOOP
P-106	BUILDING 2 FOURTH FLOOR HOT WATER LOOP
P-201	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 GROUND FLOOR
P-202	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 FIRST FLOOR
P-203	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 SECOND FLOOR
P-204	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 THIRD FLOOR
P-205	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 FOURTH FLOOR
P-206	SINK AND SHOWER FIXTURE REPLACEMENT BUILDING 2 FIFTH FLOOR
P-300	BUILDING 14 EAST FIRST FLOOR SINK FAUCETS AND LOOP COMPLETION
P-301	BUILDING 14 EAST SECOND FLOOR SINK FAUCETS

						RECOMMEND APPROVAL		Drawing Title COVER PAGE		Project Title LEGIONELLA MANAGEMENT PROGRAM		Date 25 SEP 2013					
						REQUESTER		Date		CHIEF OF SERVICE		Date				Project No. 659-14-004	
						CHIEF OF SERVICE		Date		CHIEF OF STAFF		Date				DRAWING NO. G-000	
						ASSOC. DIR. PATIENT CARE SVC.		Date		ASSOC. DIR. for OPERATIONS		Date				DWG. 1 OF 17	
Revision		Date				APPROVAL BY: MEDICAL CENTER DIRECTOR		Date		Approved: Safety Manager/M&O Supervisor		Building Number VARIOUS		Checked NEJ		Location W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144	



- 1 GN A GOOSE NECK STYLE
- 1
- 2
- 2 INS MX INSTALL MIXING VALVE ONLY
- 3
- 4
- 4 MX&FT PED INSTALL MIXING VALVE AND PEDAL ASSEMBLY
- 5
- 5 INS MX INSTALL MIXING VALVE ONLY
- 6
- S INSTALL MIXING VALVE
- R REMOVE THE SINK AND FIXTURES PATCH AND PAINT WALL



SIZE	MODEL	DIMENSIONS				WEIGHT	
		A		B			
in.		in.	mm	in.	mm	lbs.	kgs.
3/4	LF6	2	50	1	25	.31	.14
3/8		2	50	1	25	.31	.14
1/2		2	50	1	25	.31	.14
3/4		2 1/2	64	1 1/4	32	.63	.28
1		3	76	1 1/2	38	.88	.40
1 1/4	LF6E (01/02)	2 1/4	54	1	25	.31	.14

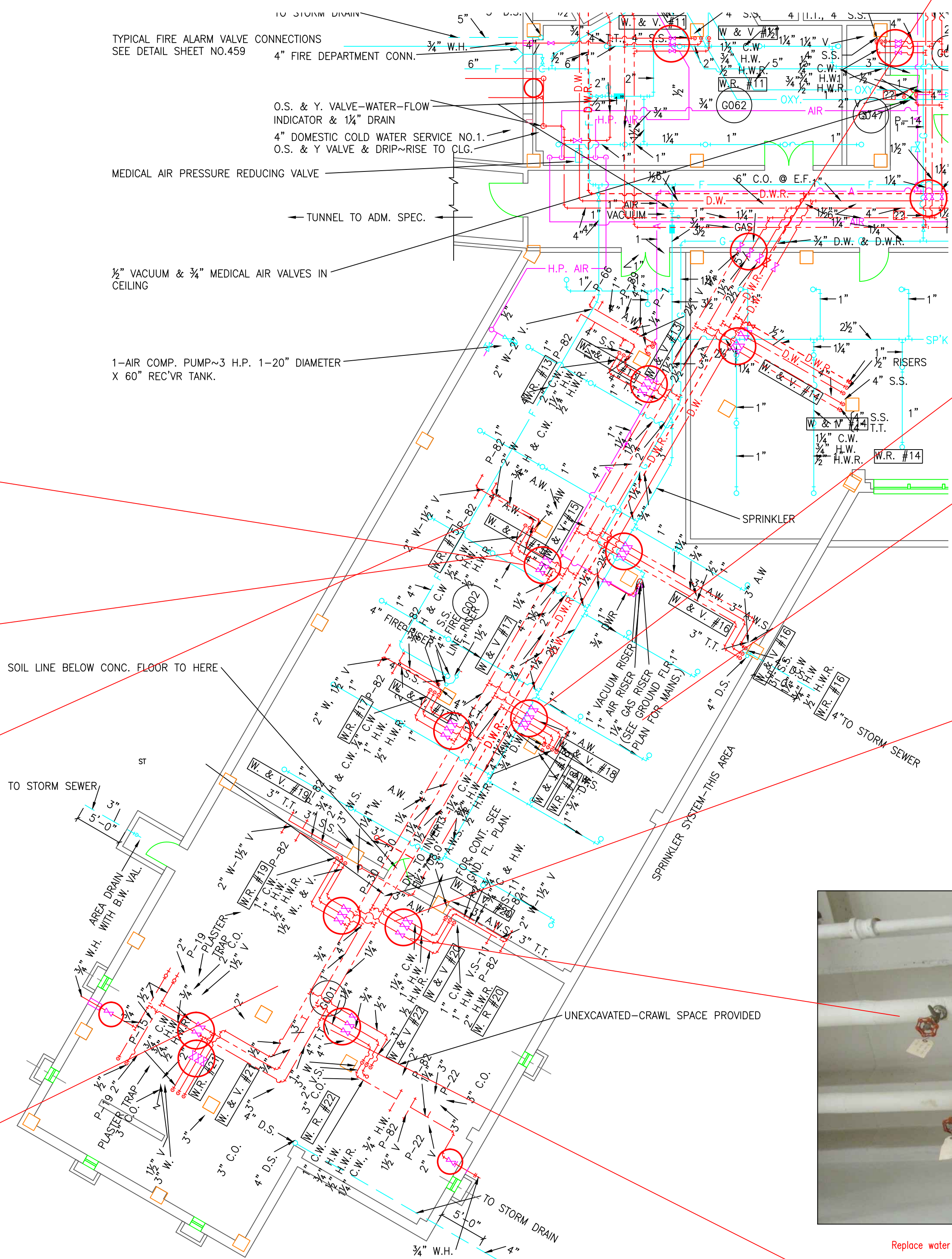
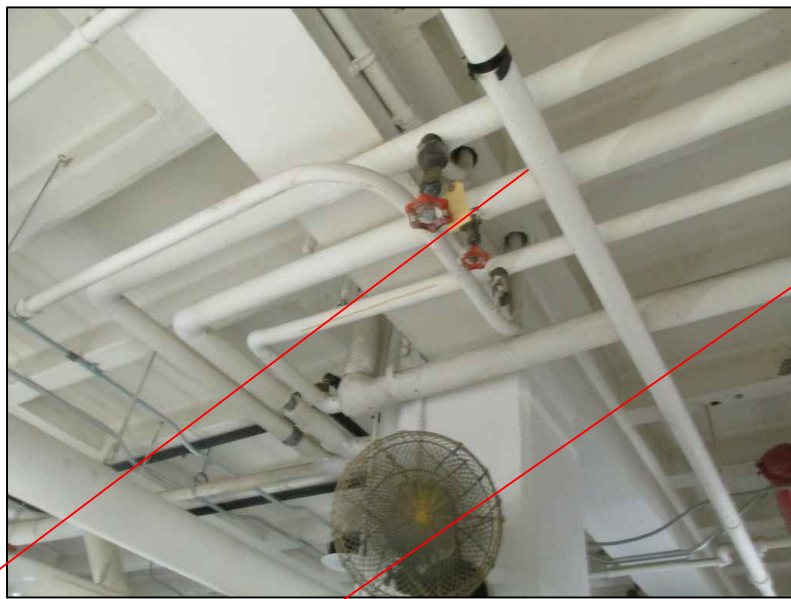
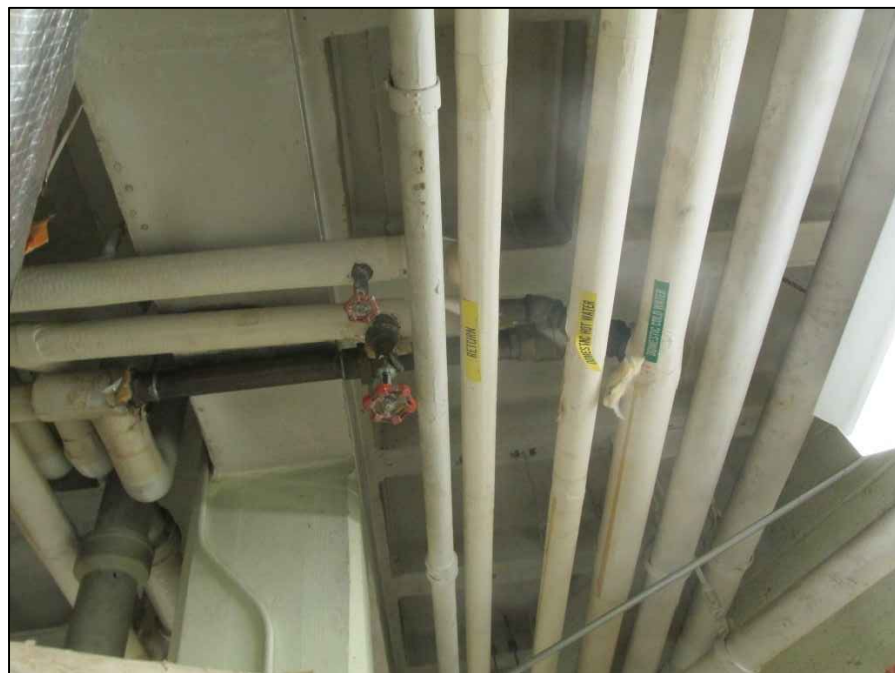
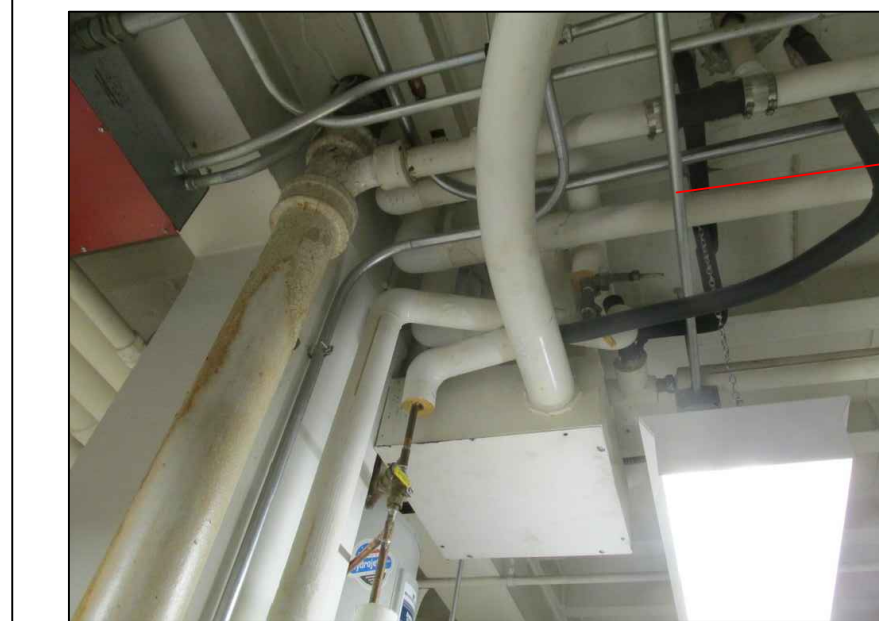
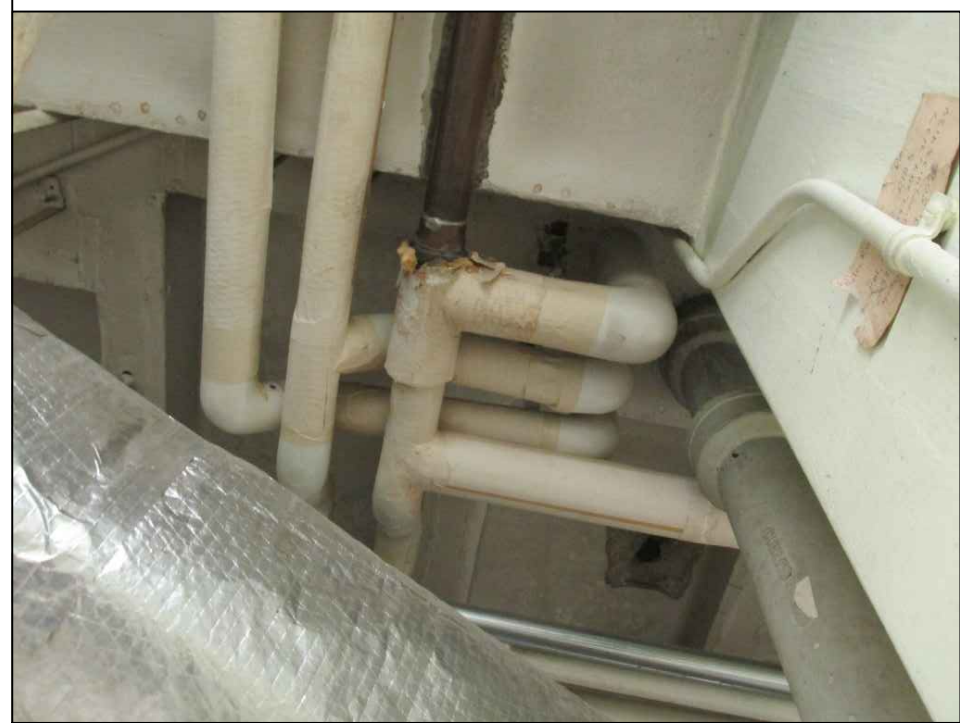
WATTS LDUSG-B SEARIES MIXING VALVE, WITH
THERMOSTATIC LIMIT STOP AND SHALL DELIVER 1 TO
4 GPM

RECOMMEND APPROVAL				Drawing Title
REQUESTER	Date			LEGEND, GENERAL INSTRUCTIONS
CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date	
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date	Approved: Safety Manager/M&O Supervisor
APPROVAL BY: MEDICAL CENTER DIRECTOR			Date	Approved: Chief of Facilities Management Svr.

Project Title LEGIONELLA MANAGEMENT PROGRAM			Date 21 OCT 2014
			Project No. 659-14-004
Building Number 2	Checked	Drawn NEJ	DRAWING NO. D-100
Location 1801 Brenner Ave. S Salisbury NC 28144	DWG. 2 of 17		







Note

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Revision 1	12/12/2014
Revision	Date

RECOMMEND APPROVAL			
REQUESTER	Date	CHIEF OF STAFF	Date
CHIEF OF SERVICE	Date	ASSOC. DIR. for OPERATIONS	Date
ASSOC. DIR. PATIENT CARE SVC.	Date		
APPROVAL BY:	Date		
MEDICAL CENTER DIRECTOR			

Drawing Title
BUILDING 2 SOUTH WEST WING
Approved: Safety Manager/M&O Supervisor
Approved:Chief of Facilities Management Svr.

Project Title
LEGIONELLA MANAGEMENT PROGRAM
Building Number
2
Location
W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144

Date
25 SEP 2013
Project No.
659-14-004
DRAWING NO.
P-101
DWG. 4 OF 17



STATEMENT OF WORK

THE CONTRACTOR SHALL REMOVE ALL VALVES AS SHOWN BY DRAWING AND REPLACE WITH NEW BALL VALVES. AFTER PRESSURE, FLOW, AND LEAK TESTING COMPLETED AND PASS. THE CONTRACTOR SHALL INSURE THE PIPE IS CLEAN OF ALL GREASE AND ASSEMBLY CHEMICAL THAT COULD BE DETRIMENTAL TO THE PIPE.

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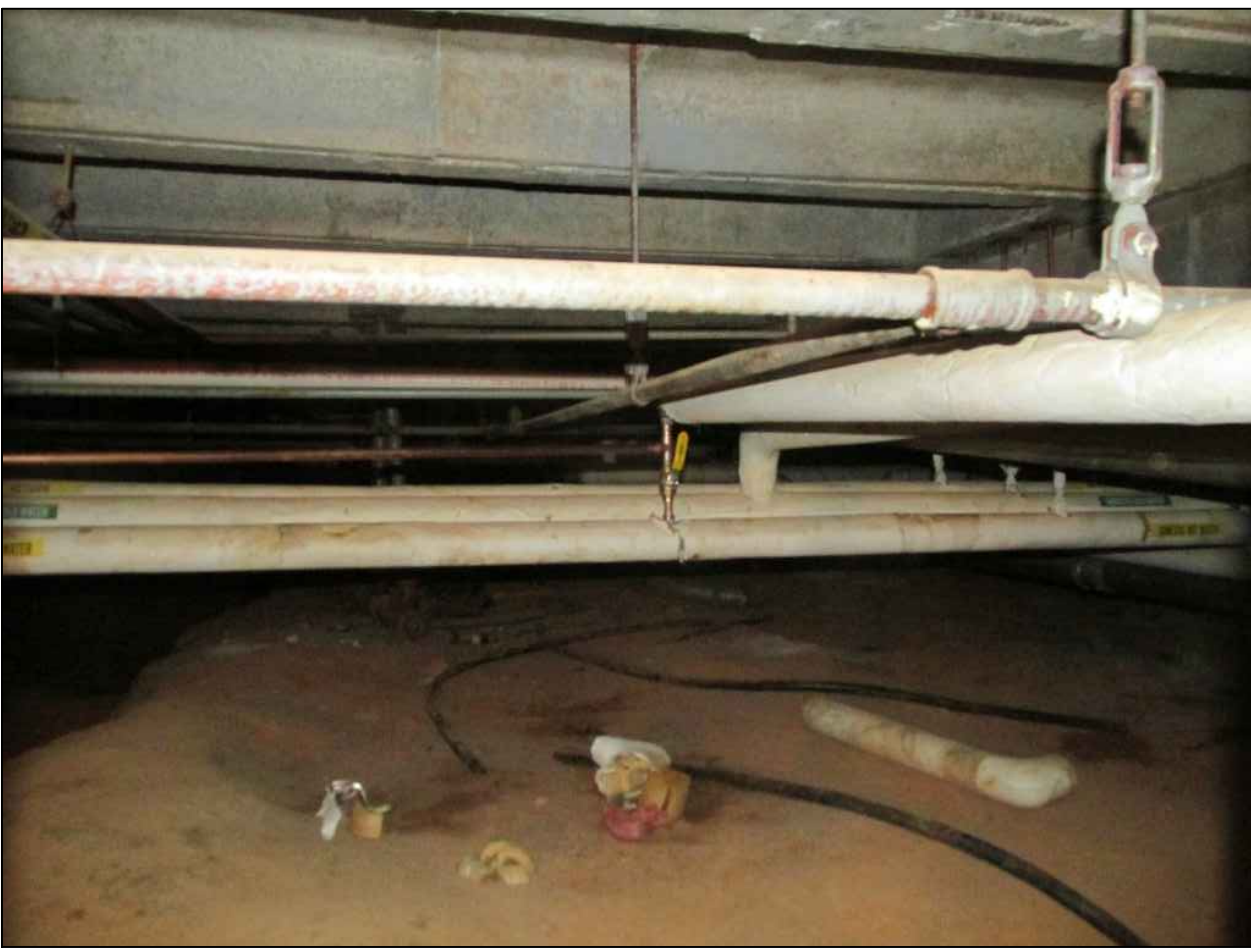
REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.



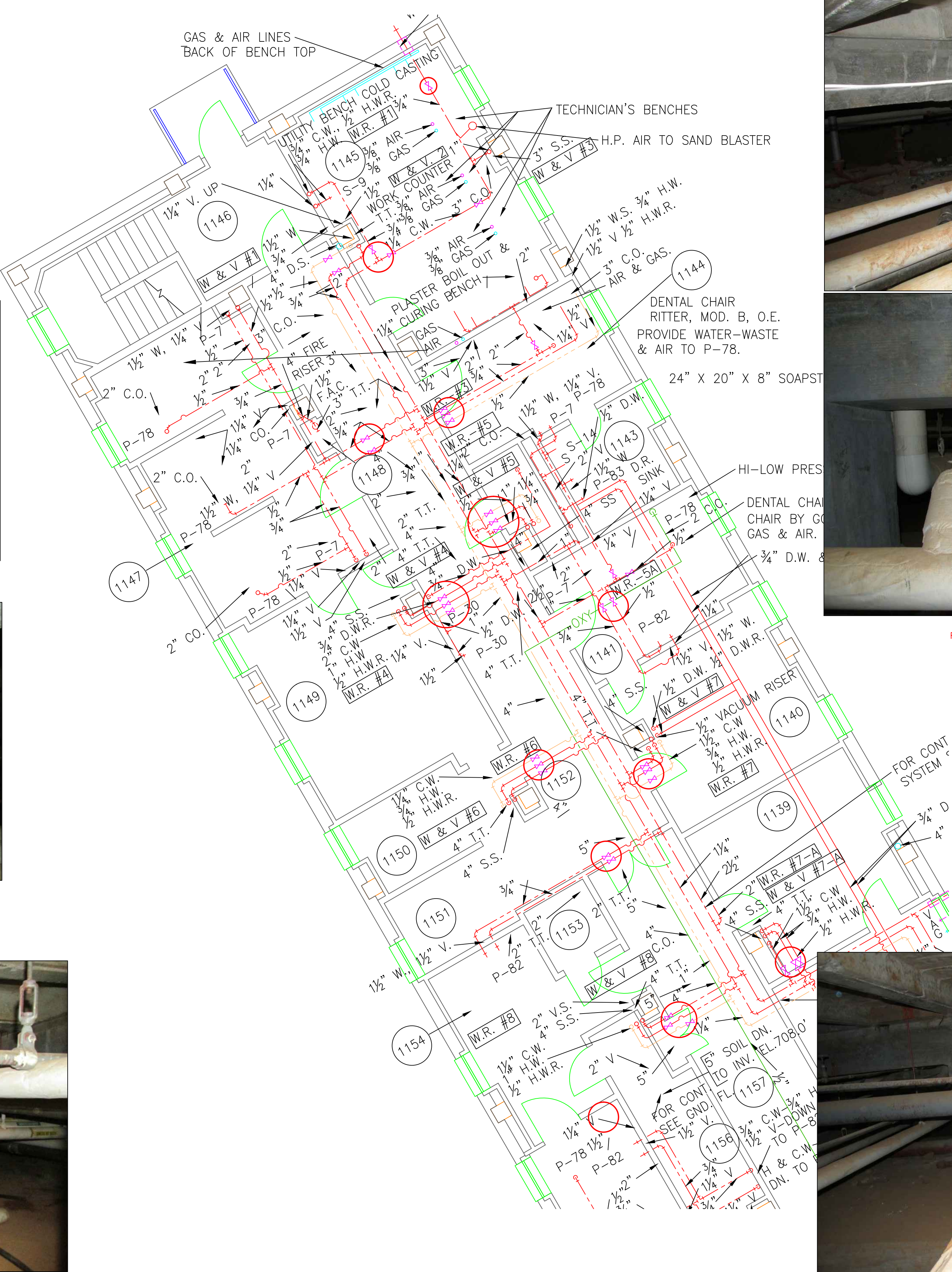
REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.



INSULATE ALL PIPING RELATED TO THE HOT AND COLD DOMESTIC WATER SYSTEM



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.

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Revision 1	12/12/2014					RECOMMEND APPROVAL		Drawing Title		Project Title		Date			
						REQUESTER	Date	BUILDING 2 SOUTH EAST WING		LEGIONELLA MANAGEMENT PROGRAM		25 SEP 2013			
						CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date	Building Number		Checked	Drawn		
						ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date	2			NEJ		
						APPROVAL BY:		Date	Approved: Safety Manager/M&O Supervisor		Location		W.G.(800) Hefner Medical Center 1601 Brenner Ave Salisbury NC 28144		
Revision	Date					MEDICAL CENTER DIRECTOR				Approved:Chief of Facilities Management Svr.		DRAWING NO. P-102		DWG. 5 of 17	

STATEMENT OF WORK

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REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVE



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES.
INSULATE ALL PIPING RELATED TO THE HOT AND COLD DOMESTIC WATER SYSTEM



REPLACE WATER VALVES HOT, HOT RETURN, AND COLD WITH BALL VALVES



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INSULATE ALL PIPING RELATED TO THE HOT AND COLD DOMESTIC WATER SYSTEM



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[illegible]

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VALVES TO BE REPLACED



VALVES TO BE REPLACED



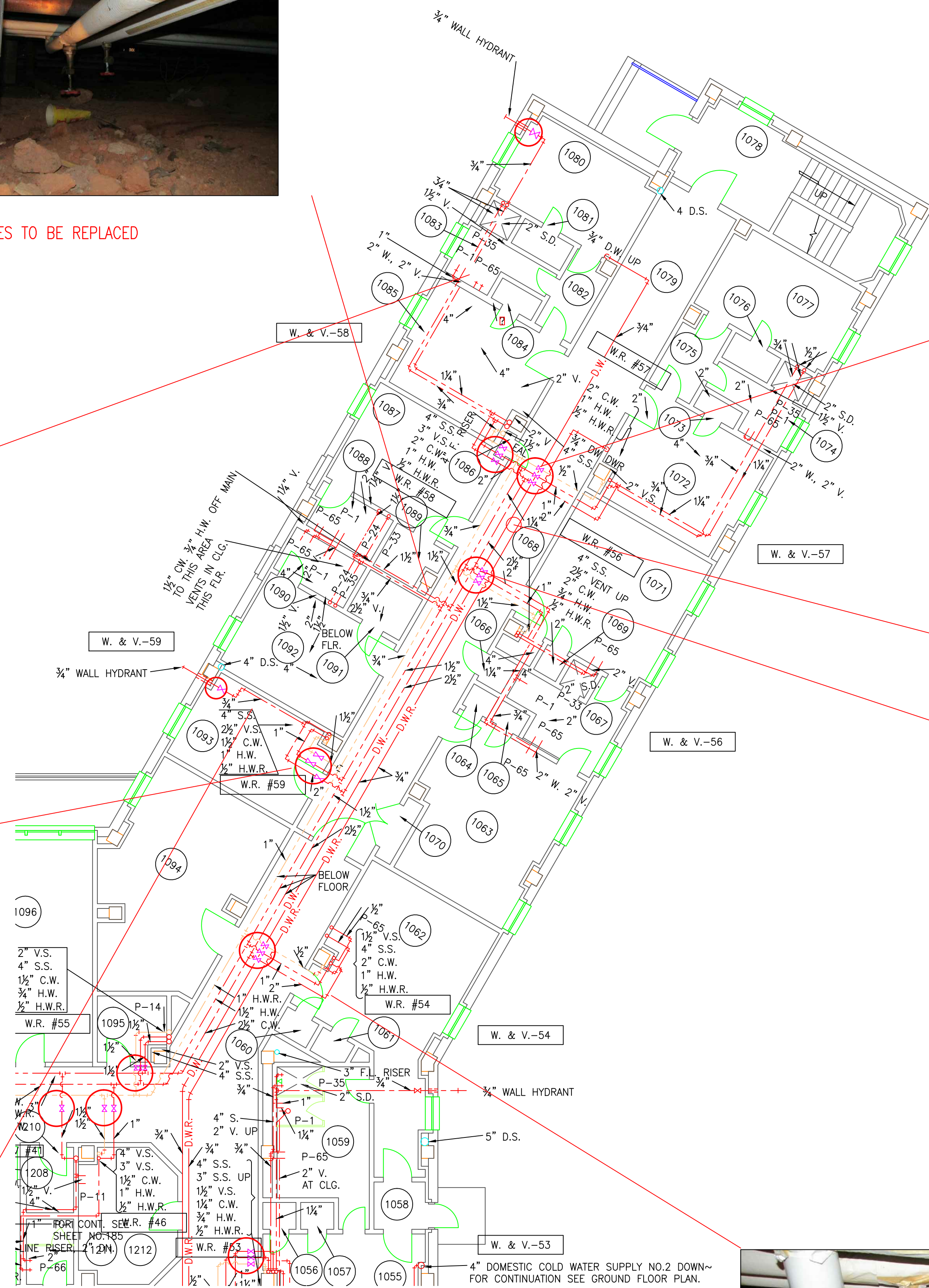
VALVES THAT SERVES THIS BRANCH TO BE REPLACED



VALVES TO BE REPLACED THAT SERVES THIS
BRANCH AND INSULATE ANY EXPOSED PIPE.



INSULATE ANY EXPOSED PIPE THAT RELATES TO THE DOMESTIC WATER SYSTEM.



VALVES TO BE REPLACED



VALVES TO BE REPLACED VALVE BODIES ARE TO BE INSULATED WITH REMOVABLE INSULATED COVERS AROUND THE BONNETS

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Revision 1	12/12/2014
Revision	Date

RECOMMEND APPROVAL			
REQUESTER	Date		
CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY:			Date
MEDICAL CENTER DIRECTOR			

Drawing Title
BUILDING 2 NORTH WEST WING
Approved: Safety Manager/M&O Supervisor
Approved: Chief of Facilities Management Svr.

Project Title LEGIONELLA MANAGEMENT PROGRAM		
Building Number 2	Checked	Drawn NEJ
Location W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144		

Date	25 SEP 2013
Project No.	659-14-004
DRAWING NO.	P-104
DWG. 7	OF 17

Department of
Veterans Affairs

TYPICAL MIXING VALVE
DISCONNECT AND REMOVE VALVE DISCONTINUE COLD WATER FEED BACK TO
MAIN FEED PIPE. REMOVE TEE FROM MAIN FEED PIPING AND INSTALL
COUPLING/ELBOW AS NEEDED.
DISCONNECT HOT WATER SUPPLY TO VALVE AND WARM WATER SUPPLY TO
FIXTURES AND INSTALL ¼ TURN BALL VALVE AND CONNECT THE TWO PIPES
SO THAT HOT WATER IS SUPPLIED TO THE FIXTURES.

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THIS CONTRACT.

Revision 112/12/2014		RECOMMEND APPROVAL				Drawing Title BUILDING 2 FIFTH FLOOR HOT WATER LOOP		Project Title LEGIONELLA MANAGEMENT PROGRAM		Date 25 SEP 2013			Department of Veterans Affairs		
		REQUESTER Date				CHIEF OF SERVICE Date		CHIEF OF STAFF Date		Project No. 659-14-004					
		ASSOC. DIR. PATIENT CARE SVC. Date				ASSOC. DIR. for OPERATIONS Date				Building Number 2				Checked Drawn NEJ	
		APPROVAL BY: MEDICAL CENTER DIRECTOR				Date				Approved: Safety Manager/M&O Supervisor				Location W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144	
Revision		Date						Approved: Chief of Facilities Management Svr.				DWG. 8 of 17			